# COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence	, post office	address and	citizenship	are as stated	below next to my	name.
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patent is sough	it on the in	vention e	entitled <u>Data S</u>	orage Device		the annuities
of which					1	the specification
(check one)		is	attached hereto.			
	_		as filed on nited States Appl	as		
	_		CT International led March 4, 200	Patent Application N	iumber <u>PCT/JP0</u> –	3/02525
		ar	nd was amended	on	(if applicat	ole).
I hereby state tincluding the cl	hat I have aims, as a	reviewed mended	l and understand by any amendme	the contents of the ent referred to above	above identified s	specification,
l acknowledge accordance wit	the duty to h Title 37,	disclose Code of	information whic Federal Regulati	h is material to the ons, § 1.56(a).	examination of th	is application in
application(s) for	or patent o patent or ir	r invento	r's certificate liste	5, United States Co ed below and have a g a filing date before	ilso identified belo	ow any foreign
Prior Foreign A	pplication(	(s)			Priority Claimed	d
2002-059179 (Number)	_Japan_ (Country)		/March/2002 Day/Month/Year F	iled)	_X_Yes No	
			=		Yes No	)
(Number)	(Country)	) ([	Day/Month/Year F	iled)		
listed below and the prior United States Code, § of Federal Reg	d, insofar a l States ap 112, I acki ulations, §	as the sub plication nowledge 1.56(a) v	oject matter of ea in the manner pr the duty to discl	ates Code, § 120 of a ch of the claims of to covided by the first pose material informatives the filing data cation:	this application is aragraph of Title ation as defined in	not disclosed in 35, United n Title 37, Code
(Appln. Serial N	<del></del> <del>1</del> 0.)	(F	iling Date)	(Status-patento	ed, pending, abar	ndoned)
(Appln. Serial N	<del></del> No.)	(F	iling Date)	(Status-patent	ed, pending, abar	ndoned)

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	Full name of sole or first inventor <u>Yoshibiro HORI</u>
	Inventor's signature
	·
200	Full name of second inventor Ryoji OHNO  Inventor's signature Date
P	Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
6	Full name of third inventor
20	Inventor's signature Date
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_	Kanagawa-ku Yokohama-shi Kanagawa 221-8528 Janan

	Full name of fourth inventor Akihiro TOZAKI
400	Inventor's signature Date
5	Inventor's signature Date
6	Full name of sixth inventor
700	Full name of sixth inventor
800	Full name of sixth inventor

(Appln. Serial No.)

## COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.				
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled				
-f.:-blak			the specif	fication
of which				
(check one)		is attached hereto.		
	· <del></del>	was filed on United States Applicati	as on No	•
	_X_	PCT International Pate filed March 4, 2003	nt Application Number_PCT/JP03/02525	_
			(if applicable).	
including the cla	aims, as amer	nded by any amendment re	contents of the above identified specificati eferred to above.  material to the examination of this applica	
- accordance with	n Title 37, Coo	le of Federal Regulations,	§ 1.56(a).	uon m
application(s) for	or patent or involved	entor's certificate listed b	Inited States Code, § 119 of any foreign elow and have also identified below any fo filing date before that of the application on	reign which
Prior Foreign A	pplication(s)		Priority Claimed	
2002-059179 (Number)	Japan (Country)	_5/March/2002 (Day/Month/Year Filed	X_Yes No	
(Number)	(Country)	(Day/Month/Year Filed	Yes No )	
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:				
(Appln. Serial N		(Filing Date)	(Status-patented, pending, abandoned)	

(Status-patented, pending, abandoned)

(Filing Date)

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Inventor's departure Dune Olan	Date Aug 30. 2005
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	i22 Japan
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Full name of sixth inventorTatsuya HIRAI	· · · · · · · · · · · · · · · · · · ·
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,14 4-,

## COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office addi	ess and citizenship a	re as stated below next to my name.
joint inventor (i	f plural names	are listed below) of th	only one name is listed below) or an original, first an e subject matter which is claimed and for which a orage Device
			, the specification
of which			
(check one)		is attached hereto.	
. *		was filed on United States Appli	cation No
	_X_	filed March 4, 2003	
		and was amended	on (if applicable).
		ewed and understand ded by any amendme	the contents of the above identified specification, nt referred to above.
		close information whic e of Federal Regulation	h is material to the examination of this application in ons, $\S$ 1.56(a).
application(s) f	or patent or inv patent or inven	entor's certificate liste	5, United States Code, § 119 of any foreign d below and have also identified below any foreign a filing date before that of the application on which
Prior Foreign A	application(s)		Priority Claimed
2002-059179 (Number)	<u>Japan</u> (Country)	5/March/2002 (Day/Month/Year F	X_Yes No
			Yes No
(Number)	(Country)	(Day/Month/Year F	
listed below an the prior United States Code, § of Federal Reg	d, insofar as the States applicated at 112, I acknowloulations, § 1.56	e subject matter of ea ation in the manner pro edge the duty to discl	ites Code, § 120 of any United States application(s) ch of the claims of this application is not disclosed in ovided by the first paragraph of Title 35, United ose material information as defined in Title 37, Code stween the filing date of the prior application and the cation:
(Appln. Serial I	No.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appln, Serial I	No.)	(Filing Date)	(Status-patented pending abandoned)

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	ki Kaisha, 22-22, Nagaike-cho, Abeno-ku
Osaka-shi Osaka s	545-8522 Japan
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Full name of third inventor <u>Takeo OH</u>	Mish Date Farmary 30, 2004 7.0
$\mathcal{T} \mathcal{L} \mathcal{L}$	20 / Aug 24, 24, 2007
Inventor's signature	Marks Date January 30, 2004 To
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Nakahara-ku, Kawasaki-shi, K	
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# COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office add	ress and citizenship are	as stated below next to my name.
joint inventor (i	f plural names	st and sole inventor (if o are listed below) of the ion entitled <u>Data Sto</u>	nly one name is listed below) or an original, first ar subject matter which is claimed and for which a rage Device
			, the specification
of which			
(check one)		is attached hereto.	
	· —	was filed on United States Applic	ation No
	_X_	PCT International Pa	itent Application Number_PCT/JP03/02525
		and was amended or	ı (if applicable).
I hereby state t	hat I have revi aims, as amer	ewed and understand the	e contents of the above identified specification, referred to above.
l acknowledge accordance wit	the duty to disc h Title 37, Coo	close information which le of Federal Regulation	is material to the examination of this application in $s, \S 1.56(a)$ .
application(s) f	or patent or inv patent or inver	entor's certificate listed	United States Code, § 119 of any foreign below and have also identified below any foreign a filing date before that of the application on which
Prior Foreign A	pplication(s)		Priority Claimed
2002-059179 (Number)	Japan (Country)	5/March/2002 (Day/Month/Year File	
			Yes No
(Number)	(Country)	(Day/Month/Year File	
listed below an the prior United States Code, § of Federal Reg	d, insofar as th I States applica 112, I acknow ulations, § 1.56	e subject matter of eacl ation in the manner prov ledge the duty to disclos	es Code, § 120 of any United States application(s) n of the claims of this application is not disclosed in rided by the first paragraph of Title 35, United se material information as defined in Title 37, Code ween the filing date of the prior application and the ation:
(Appln. Serial N		(Filing Date)	(Status-patented, pending, abandoned)
(Appin Serial I	<u> </u>	(Filing Date)	(Status natented needing abandoned)

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Full name of second inventor <u>Ryoji OHNO</u>	•
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Full name of fourth inventor <u>Akihiro TOZAKI</u>
Inventor's signature Akihiro Tozoki Date August 17, 2004  Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese
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Inventor's signature KENICHIRO TARA Date August 16, 2004  Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese  Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan
Full name of sixth inventorTatsuya HIRAI
Inventor's signature Date Date ResidenceKawasaki-shi, Kanagawa, Japan CitizenshipJapanese Post Office Address _c/o Systems Development Laboratory, Hitachi, Ltd _ 1099, Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan
Full name of sixth inventor <u>Masafumi TSURU</u>
Inventor's signature Date ResidenceChiyoda-ku, Tokyo, Japan CitizenshipJapanese Post Office Address _c/o Phoenix Technologies _K.K., Tokyo Ginko Kyokai Building 14th Floor, _3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan
Full name of sixth inventor
Inventor's signature Date

# COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office add	ress and citizenship a	re as stated below next to my name.
Journal Metitot (	u piurai names	it and sole inventor (if are listed below) of th ion entitled <u>Data S</u> t	only one name is listed below) or an original, first an le subject matter which is claimed and for which a torage Device
of which	- <del> </del>		, the specification
(check one)		is attached hereto.	
	. •	was filed on United States Appli	cation No as
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accordance wit	th Title 37, Code	e of Federal Regulation	ons, § 1.56(a).
application(s) tapplication for priority is claim	or patent or inventued:	entor's certificate liste	5, United States Code, § 119 of any foreign d below and have also identified below any foreign a filing date before that of the application on which
Prior Foreign A	pplication(s)		Priority Claimed
2002-059179 (Number)	Japan (Country)	5/March/2002 (Day/Month/Year Fi	led) No
(Number)	(Country)	(Day/Month/Year Fi	YesNo
the prior United States Code, § of Federal Regi	o, msorar as the States applicat 112, Lacknowle ulations, § 1.56	s subject matter of eac tion in the manner pro edge the duty to disclo	tes Code, § 120 of any United States application(s) on of the claims of this application is not disclosed in wided by the first paragraph of Title 35, United use material information as defined in Title 37, Code tween the filing date of the prior application and the sation:
(Appin. Serial N	10.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appln. Serial N	io.)	(Filing Date)	(Status-patented, pending, abandoned)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventorYoshibiro HC	)RI
Sec. 1	
Inventor's signature	Date
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_Moriguchi-shi_Osaka 570-8	8677 Japan
Full name of second inventor Ryoji OHNO	•
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Osaka shi Osaka 545 9522	. Zz-zz Nagaike-cho Abeno-ku
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Full name of third inventorTakeo OHISHI	
di hame of thing inventor takeo OHISH!	
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_	Hanazono 4-chome, Tokoro	zawa-shi Saitama 359-	8522 Japan
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•	entor <u>Kenichiro TADA</u>		
inventor's signature	zawa-shi, Saitama, Japan	Date	
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	Hanazono 4-chome, Tokoro	zawa-shi_Saitama 359-	8522 Japan
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Full name of sixth inv	entor <u>Tatsuya HIRAI</u>		· · · · · · · · · · · · · · · · · · ·
inventor's signature _	Tomuna Heran	Date <i>P</i>	·4.21, 2004
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Full name of sixth inv	entor <u>Masafumi TSURU</u>		
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·	Nakahara-ku, Kawasaki-shi	Kanagawa 211-8588 Ja	pan .

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As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled \_\_\_\_Data Storage Device\_\_\_ of which (check one) is attached hereto. was filed on \_ United States Application No. \_X\_ PCT International Patent Application Number PCT/JP03/02525 filed March 4, 2003 and was amended on \_ . (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) **Priority Claimed** 2002-059179 Japan 5/March/2002 \_X\_Yes \_\_\_ No (Number) (Country) (Day/Month/Year Filed) \_\_ Yes \_\_\_ No (Number) (Country) (Day/Month/Year Filed) I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Appin. Serial No.) (Filing Date) (Status-patented, pending, abandoned) (Appln. Serial No.) (Filing Date) (Status-patented, pending, abandoned)

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Moriguchi-shi, Osaka 570-8677	Japan	
	•	
*	•	
Full name of second inventor Ryoji OHNO		
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nventor's signature	Date	
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Post Office Address <u>.c/o Sharp Kabushiki Kaisha, 22-</u>	22, Nagaike-cho, Abe	no-ku
Osaka-shi, Osaka 545-8522 Jap	an	
Full name of third inventor <u>Takeo OHISHI</u>	•	
nventer's signature	<b>5</b> .	
nventor's signature	Date	
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Inventor's signature Date

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#### COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office addr	ess and citizenship a	are as stated below next to my name.
John Hivelitor (	II piurai names i	and sole inventor (i are listed below) of the on entitled <u>Data S</u>	if only one name is listed below) or an original, first and the subject matter which is claimed and for which a Storage Device
of which			, the specification
(check one)	<del></del>	is attached hereto	
		was filed on United States App	olication No as
	<u>_x</u> _	filed March 4, 200	
	•	and was amended	l on (if applicable).
I hereby state to including the c	that I have revie laims, as amend	wed and understand led by any amendme	the contents of the above identified specification, ent referred to above.
l acknowledge accordance wit	the duty to discith Title 37, Code	ose Information whice of Federal Regulati	ch is material to the examination of this application in ions, § 1.56(a).
.appiication(s) i	or patent or invent patent or invent	entor's certificate list	35, United States Code, § 119 of any foreign ed below and have also identified below any foreign a filing date before that of the application on which
Prior Foreign A	Application(s)		Priority Claimed
2002-059179 (Number)	lapan (Country)	5/March/2002 (Day/Month/Year F	X_Yes No
(Number)	(Country)	(Day/Month/Year F	Filed) Yes No
the prior United States Code, § of Federal Reg	d, msorar as the d States applicat 112, I acknowle ulations, § 1.56	isubject matter of ea ion in the manner pr edge the duty to disci	ates Code, § 120 of any United States application(s) ach of the claims of this application is not disclosed in rovided by the first paragraph of Title 35, United lose material information as defined in Title 37, Code etween the filing date of the prior application and the lication:
(Appln. Serial I	No.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appin. Serial I	No.)	(Filing Date)	(Status-patented, pending, abandoned)

Please address all correspondence and telephone calls to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may Jeopardize the validity of the application or any patent issued thereon.

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